

IN THE CLAIMS:

Cancel Claims 1-27 without prejudice and substitute therefor Claims 28-54:

Claims 1-27. Canceled.

28. (New) A communication system for a mobile radio telephone system having at least one network unit which serves a predetermined overall area, wherein

at least one subscriber area within this overall area is stipulated and has allocated at least one subscriber number,

at least one radio cell is arranged in the overall area and transmits a signal containing coordinates, and

means are provided for calculating whether the coordinates transmitted by the radio cell responsible for transmission lie within the subscriber area.

29. (New) The communication system according to claim 28, wherein four subscriber areas are provided, with the first subscriber area preferably being allocated to a home location of a user, and the second subscriber area preferably being allocated to a business location of the user.

30. (New) The communication system according to claim 28, wherein individual subscriber areas can overlap several selected subscriber areas.

31. (New) The communication system according to claim 29, wherein the subscriber areas have varying application priorities.

32. (New) The communication system according to claim 28, wherein the subscriber areas is written into a subscriber code module (SIM).

33. (New) The communication system according to claim 28, wherein the subscriber area encompasses several radio cells and/or serves several user units.

34. (New) The communication system according to claim 28, wherein a first subscriber number is provided for a mobile subscriber number, and a second subscriber number is provided for a geographic number.

35. (New) The communication system according to claim 34, wherein at least one storage area (cache) is provided for the subscriber area on a subscriber code module (SIM).

36. (New) The communication system according to claim 28, wherein the subscriber area is stipulated by a location and local radius.

37. (New) The communication system according to claim 28, wherein the local radius is determined by scanning several radio cells situated around the location and the local radius is measured as a function of reception strength.

38. (New) The communication system according to claim 28, wherein a fixed station or several fixed stations is/are additionally provided within the subscriber area.

39. (New) The communication system according to claim 38, wherein the location coincides with the position of the fixed station.

40. (New) The communication system according to claim 28, wherein a display is provided in a user unit to indicate whether the user unit is located within the subscriber area.

41. (New) The communication system according to claim 28, wherein a global system for mobile communication (GSM) is used.

42. (New) The communication system according to claim 41, wherein a first and second code are provided, the first code signals whether a user unit is authorized for the subscriber area, and the second code signals whether a stipulation has already taken place relative to the subscriber area.

43. (New) The method for operating a communication system for a mobile radio telephone system, which comprises the following steps:

providing a network unit with an overall area,
stipulating at least one subscriber area within its overall area, and
allocating at least one subscriber number for the subscriber area,
wherein the overall area incorporates at least one radio cell that transmits a signal containing coordinates, and
a calculation is performed to determine whether the coordinates for the radio cell responsible for transmission lie within the stipulated subscriber area.

44. (New) The method according to claim 43, wherein the subscriber area is stipulated by the network unit.

45. (New) The method according to claim 44, wherein the subscriber area is stipulated by

- a) specifying a location;
- b) measuring local radius using a graphic information system (GIS) with a database containing locations and considering that the local radius contains several radio cells;
- c) storing the location and local radius in a network unit file; and
- d) transmitting the location and local radius to a subscriber detection module os a user unit.

46. (New) The method according to claim 43, wherein the subscriber area is stipulated by a user unit.

47. (New) The method according to claim 46, wherein the subscriber area is stipulated by

- a) checking a first and second code, wherein the first code signals whether the user unit is authorized for the subscriber area, and the second code signals whether a stipulation has already taken place relative to the subscriber area;
- b) selecting the radio cells present around the user unit based on signal strengths;
- c) recording the radio cell currently used for switching;
- d) determining urban network code and cell code (cell ID) based on the recorded radio cell;
- e) transmitting the urban network code and cell code to a centralized point of the network unit and simultaneously storing address of the centralized point in a subscriber code (SIM);
- f) determining location and local radius based on a file provided in a centralized point containing all radio cells;
- g) generating a subscriber file within the centralized point, which is write protected;
- h) transmitting the location and local radius to the subscriber code module of the user unit; and
- i) updating the location and local radius stored in the user unit.

48. (New) The method according to claim 45 wherein square of the local radius is transmitted to a subscriber code module (SIM).

49. (New) The method according to claim 45, wherein a display indicates whether the user unit is located in the subscriber area.

50. (New) The method according to claim 49, wherein a check is performed to determine whether a new radio cell lies within a prescribed subscriber area.

51. (New) The method according to claim 50, wherein a display indicates which subscriber area is activated.

52. (New) The method according to claim 43, wherein incoming information is relayed if a user unit is located outside the subscriber area.

53. (New) The method according to claim 43, wherein the subscriber areas can be stipulated repeatedly and/or with various radio cells.

54. (New) The method according to claim 43, wherein two subscriber calls are allocated for a subscriber area.